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(54) Title: TIE-2 MODULATORS AND METHODS OF USE

(57) Abstract: The present invention provides compounds for modulating protein kinase enzymatic activity for modulating cellular activities such as proliferation, differentiation, programmed cell death, migration and chemoinvasion. Compounds of the invention inhibit, regulate and/or modulate kinases, particularly Tie-2. Methods of using the compounds and pharmaceutical compositions thereof to treat kinase-dependent diseases and conditions are also an aspect of the invention.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10858

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/395, 31/505; C07D 239/95, 215/16, 401/04, 401/06, 405/04, 409/04, 413/14, 401/14, 409/14,
US CL : 514/231.5, 252.17, 266.2, 266.21, 266.22; 544/116, 117, 293.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/231.5, 252.17, 266.2, 266.21, 266.22; 544/116, 117, 293.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CASPLUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- A	US 3,340,260 B (BLATTER) 05 September 1967 (05.09.1967), especially column 18, Example 7.	1, 30 and 31 ----- 2-29, and 32-38
A	US 5,436,233 B (LEE et. al.) 25 July 1995 (25.07.1995), see entire document.	1-38
A	EP 579,496 A1 (ONO PHARMACEUTICAL CO., LTD.) 19 January 1994 (19.01.1994), see entire document.	1-38
A	GB 2,295,387 A (GLAXO INC.) 29 May 1996 (29.05.1996), see entire document.	1-38

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LEE S.J. et. al., Discovery of Potent Cyclic GMP Phosphodiesterase inhibitors. 2-Pyridyl- and 2-Imidazolylquinazolines Possessing Cyclic GMP Phosphodiesterase and Thromboxane Synthesis Inhibitory Activities. J. MED. CHEM., 1995, Vol. 38, No. 18, pages 3547-3557, especially page 3550.	1-38